

PROFESSIONAL POWER ROD WRAPPER

FOR THE CUSTOM ROD BUILDER

PERFECT FOR:

*Turning Cork Grips
Turning EVA Grips
Power Wrapping
Applying & Finishing Epoxy
Guide & Butt Layouts*

- 3 Jaw Self centering chuck
- Handles blanks from 1 ½ inches diameter to fly blanks.
- Low RPM Finishing and Drying motor
- Multi-spool thread carrier with tension devise
- 3 fully adjustable rod supports with ball bearing wheels
- Foot controller and maximum speed dial control
- 45 degree angle marks on flywheel for diamond wraps
- Sectional 8' anodized aluminum base
- Spare parts also available

By:



"The highest Authority in Rod Components for 20 Years"

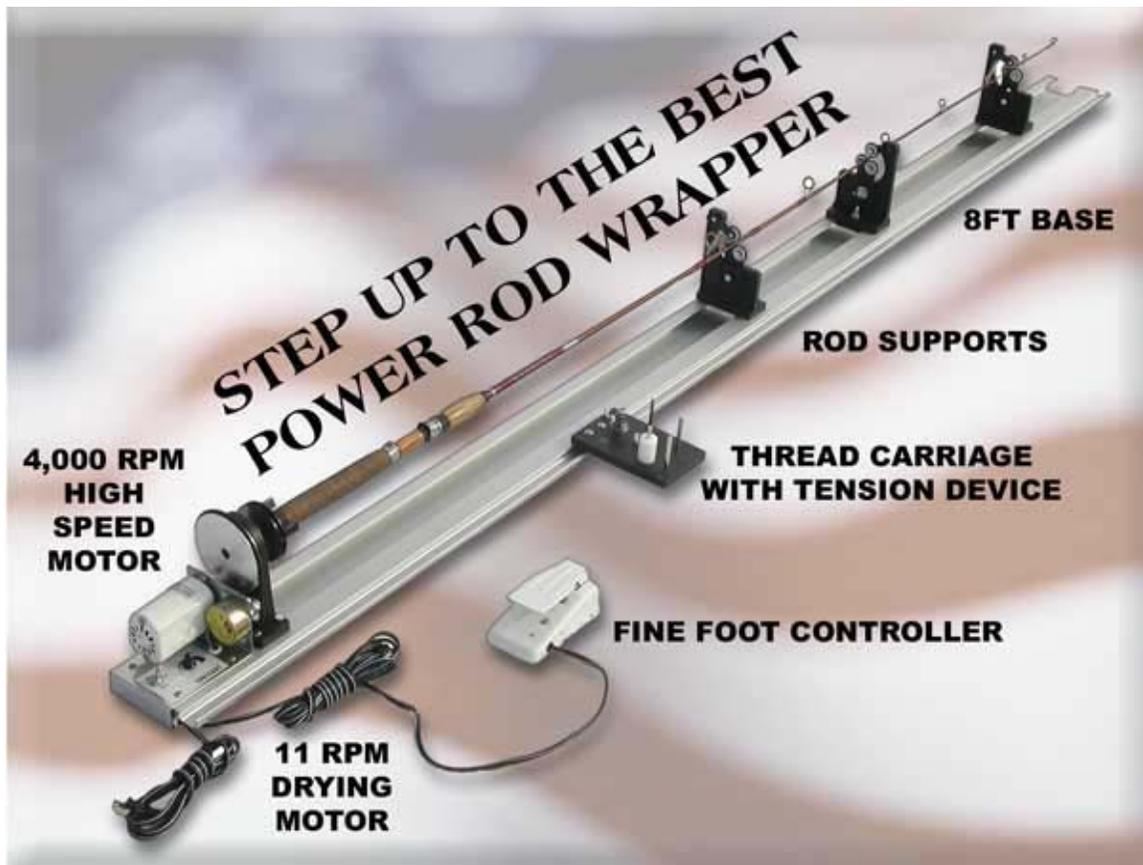
American Tackle Company, Inc
8 Fourth Street
Harwich, MA 02654

Phone: (800) 516-1750
Fax: (800) 966-9430
Email: sales@AmericanTackle.US
Web: www.AmericanTackle.US

I. PACKAGE CONTENTS

Please check the contents of this package immediately after opening. It should contain the following parts and assemblies:

- A. Headstock/track assembly (1 pc). Includes: One 2'8" base section with power platform, two motors, self centering chuck and chuck support, speed control, double drive pulley, three position switch, large "O" ring drive belt (plus one spare), power cord, and foot control.
- B. Additional 4-ft. aluminum base section (2pcs.).
- C. Stainless steel connecting bars (4pcs.) with mounting screws (16pcs.) and 8mm nuts (16pcs.)
- D. Adjustable upright supports (3pcs.)
- E. Thread carrier assembly (1pc.). Includes carrier platform with three ball bearing rollers, thread tension device, two ceramic thread guides, four spool posts, magnet, and a wood spacer for four ounce spools.



II. ASSEMBLY AND SET-UP OF POWER WRAPPER

Locate the one base section with holes drilled in both ends. This is your center section. Note that *optional* base sections will also have drilled in both ends, and should be used as inside sections. Always use your current end section in the end position when additional sections are purchased. (Attach sections using the connecting bars. The holes in the bars are threaded so you can assemble the base using only a screwdriver. The 8mm nuts are supplied to further assure that the sections do not shift. This would upset the tracking ability of the thread carrier at each of the joints.)

Before fully tightening the screws and nuts, install the thread carrier and check it's tracking ability over each joint. A slight resistance is acceptable but if the wheels hang-up, try gently shifting the sections into position. Once this is accomplished, tighten all screws. Complete the connections by fully tightening the 8mm nuts. HINT: A little paraffin applied to the track surfaces will further smooth the carrier's tracking ability over these joints. Track surfaces should be cleaned regularly for best operation and paraffin re-applied if utilized.

III. THREAD CARRIER & TENSIONER

The thread carrier assembly will permit hands free tracking with most blanks when the wheels are properly adjusted. We do recommend you monitor this closely to prevent over-wrapping. Since the carrier is pre-adjusted at the factory, it should not be necessary to make adjustments prior to your initial use of the machine.

If in the future you feel it necessary to fine-tune the tracking of your thread carrier, it can be accomplished by loosening the center wheel. Since the carrier wheel is mounted in an oval hole, you can position it forward or backward to adjust the carrier within it's track.

You may store up to four spools of thread on the carrier, one on each of the four posts. A wooden spool spacer is provided to allow the use of the old 4 oz. spools of thread that many rod builders still utilize.

The dark button to the left of the thread tension devise is a magnet for holding a razor blade. In addition to it's holding ability, the magnet provides a habitual location for storing the blade; in this way it will always be close at hand.

The threading procedure for the carrier is quite simple. First, with the carrier in it's track between you and the machine, hook your thread into the ceramic guide in the center of the platform. Next, bring the thread

around the left side of the tensioner and between the two chrome plates until you can catch the wire take-up hook. Finally, run the thread from the take-up hook through the remaining ceramic guide. Threading in this manner allows you to increase or decrease the tension by simply adjusting the thumb screw on the top of the tensioner.

CAUTION: Start with the lightest possible setting and increase as needed. If you start with a heavy setting the thread may break. Also, using more than two threads at one time in the tensioner is not recommended. More than two does not allow uniform tension on all threads which can cause problems in wrapping.

IV. SET-UP AND OPERATION OF THE CHUCK

Your new "POWER WRAPPER" is equipped with a self centering, three jaw chuck mounted on a ball bearing main shaft. With the jaws fully opened, the chuck is capable of holding blanks to a maximum of 1.5 inches in the outside diameter.

The operation of the chuck is also quite simple. The first step is to loosen the wing nut on the back of the chuck. Next, open the jaws of the chuck by turning the two chuck plates in opposite directions at the same time. When the rod butt is inserted, close the jaws against the rod by reversing this operation. You must then lock the jaws in place by tightening the wing nut firmly against the backing plate.

If the handle of your rod has a reverse taper, it may try to work out of the chuck while turning. To correct this, first be certain that the rod has aligned itself to the center of the chuck. You should then try to shim the butt of the rod with just enough masking tape to eliminate the taper.

IV. UPRIGHT SUPPORTS

The three upright supports that come with your "POWER WRAPPER" work together with the chuck in holding the blank for thread wrapping and grip shaping. They can be positioned anywhere along the aluminum base by simply loosening the lower wing nut. Loosening this nut also enables you to turn the middle support 180 degrees to oppose the other two supports. This will provide more positive holding of large diameter blanks.

For balanced operation, it is necessary to adjust the supports relative to the chuck height each time you change to a blank with a different diameter. Do this as follows:

- A. After you flip up the spring loaded roller on each of the uprights, lay the blank on the double roller assemblies, butt end towards the chuck. Close the spring rollers on top of the blank.
- B. Adjust the double rollers up or down to the level of the chuck by loosening the wing nut on each support.
- C. Tighten the chuck as previously explained. Test your set-up by operating the wrapping motor at a moderate speed (wrapping motor instructions follow). If necessary, repeat step B.

V. CONTROLLING THE MOTOR ASSEMBLY

There are two motors on “THE POWER WRAPPER.” The smaller motor is for coating and drying. The larger sewing machine type motor is for shaping and power wrapping.

To power wrap:

A. The belt drive must be connected from the small pulley on the wrapping shaft to the large diameter groove of the double pulley which drives the chuck (your “POWER WRAPPER” should arrive in this configuration). To remove the belt from the machine or to install a new belt, press down gently on the wrapping motor. This will allow clearance for the belt by enlarging the gap between the motor mount and drive pulley. **DO NOT FORCE THE BELT THROUGH THIS GAP.** Even a slight abrasion will decrease it’s life or result in immediate belt failure.

B. Put the three way switch in the “WRAP” position.

C. Adjust the speed control dial to 3 or 4 (this allows for fine slow speed control while using the foot pedal).

To turn cork grips, follow the above instructions but turn the speed control dial to 10. This will give you maximum speed while operating the foot control.

To coat and dry:

A. Move the drive belt to the pulley on the finish/dry motor and to the small diameter groove on the double drive pulley.

B. Move the three way switch to the “DRY” position.

NOTE: This smaller motor will operate in either direction. To reverse it's direction, turn the switch to “OFF” and then to “DRY” again.

TIP FOR FANCY WRAPS: The ball bearing head stock allows you to hand turn “THE POWER WRAPPER” for your complicated fancy wraps or when wrapping delicate tip sections. The inside face of the drive pulley is marked at 45 degree increments to help in setting up fancy wraps and keeping guides in alignment.